

## ABSTRACT OF THE DISCLOSURE

There are disclosed a reductase having good heat stability, which resulted in decrease in reaction time and improvement of reaction efficiency. Specifically,  
5 disclosed is an enzyme having an amino acid sequence of SEQ ID NO:1 in which at least one of the amino acids of the positions 245 and 271 of the amino acid sequence of SEQ ID NO:1 is replaced with another amino acid(s); a  
10 polynucleotide having a nucleotide sequence that encodes the amino acid sequence of said reductase; a vector containing said polynucleotide; a transformant containing said polynucleotide or said vector, and the like.